

INDICATORS

With the Water Heater switch in the Timed position the Off-Peak indicator will glow whenever the Electronic 7 is supplying electricity to the immersion heater during the cheap-rate period. Similarly the Boost On indicator will glow whenever the Boost is in operation. With the Water Heater switch in the OFF position the indicator lights will still illuminate, However there will no heating of the immersion elements. This is normal operation of the Electronic 7.

BATTERY RESERVE

This unit has a non-rechargeable long-life battery which will maintain the display and switch time settings for approximately 2 years with the mains electricity supply disconnected. This should be sufficient to cover all expected power interruption expected during the life of the unit.

SERVICE AND REPAIR

The HORSTMANN ELECTRONIC 7 is NOT USER SERVICEABLE
DO NOT TRY TO DISMANTLE THE UNIT

In the unlikely event of a fault developing please try **RESETTING** the unit, located on page 2 of this User guide, if this fails to resolve the problem please contact a local Heating Engineer or Qualified Electrician.

There is no display on the Programmer	Ensure that there is mains supply and the battery switch on the rear of the unit must be in either the GMT/BST or GMT ONLY position.
The unit display has become frozen	This could be due to local electrical interference. Using the RESET procedure located on page 2 of this User guide may rectify the fault.
The indicator neon will illuminate but there is no hot water	Ensure that the Water Heater Switch on the front of the Electronic 7 is in the Timed position. If this fails to rectify the problem please contact a local heating engineer or qualified electrician.
How do I know if the programmer is still under warrantee	The Electronic 7 comes with a 2 year guarantee from the date of manufacture. This date is located on the inside of the unit, indicated by a month over a year.
The Off-Peak/Boost neon is ON constantly	There could be a possible problem with the Electronic 7 or the immersion elements, please contact a qualified electrician or heating engineer.
How can the Off-Peak Heating times be altered.	Please refer to the Off-Peak Heating Programming section on page 2 of this User Guide.
The Off-peak heating period is occurring during the day.	Please check the AM/PM settings on the current time and the Off-Peak Heating times.

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**ELECTRONIC 7
USER INSTRUCTIONS**



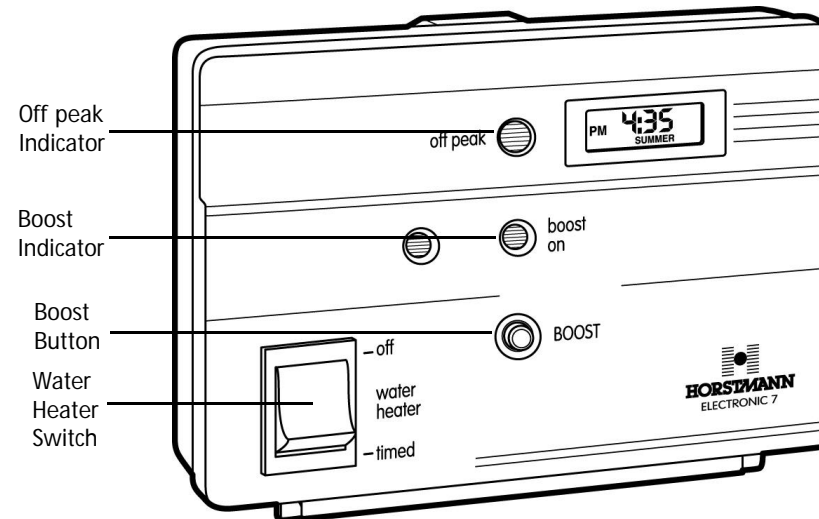
HORSTMANN

WATER HEATER CONTROLLER FOR ECONOMY 7 AND WHITE METER TARIFFS

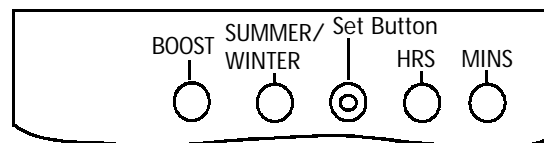
USERS INSTRUCTIONS

The Horstmann Electronic 7 Water Heater Controller has been specially developed to give you all the Hot water you want as cheaply and as conveniently as possible. During the night, the water in your tank will be heated by cheap night-rate electricity, so that you have a tank of hot water available for the morning. Depending on the size of your tank and usage of hot water, this will usually last a day; you can obtain more Hot water at any time by using the Boost button, to switch on the immersion heater to suit your requirements. Alternatively, if you know you will require extra Hot water every day, you can programme the boost to come on each day at a set time

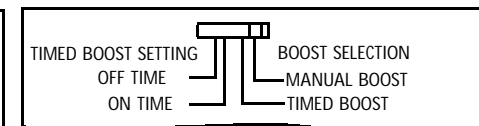
KNOW YOUR PROGRAMMER



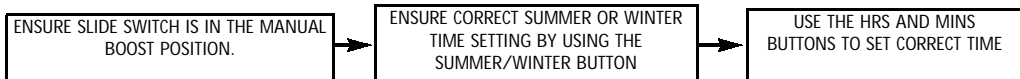
BUTTONS SITUATED BEHIND FLIP-DOWN COVER



BOOST SELECTION SLIDE SWITCH

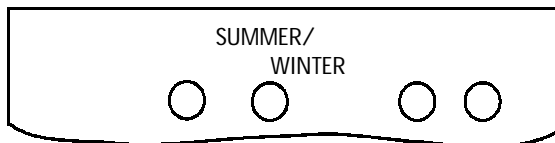
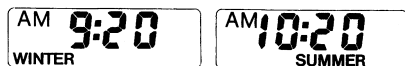


SETTING THE TIME OF DAY



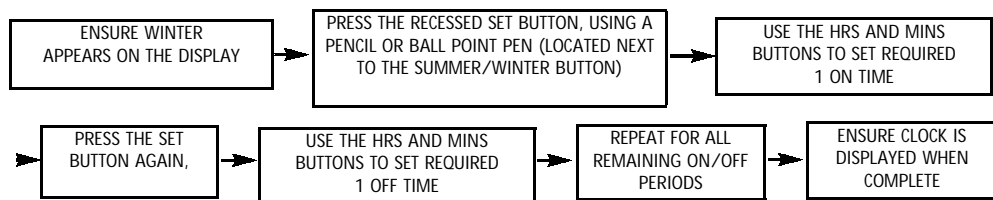
SUMMER / WINTER BUTTON

This controls the time on the display and should be used to alter the time by one hour during BST (Summer) and GMT (Winter).



SETTING OFF-PEAK HEATING PERIODS

Your Installer would have already set the off-peak heating time, however if you require extra hot water on a daily basis you can set one of the remaining programmable heating times. Please follow the instructions below.

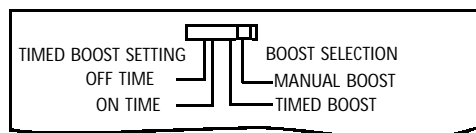
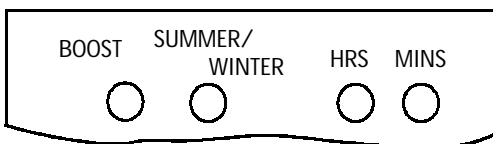


OFF-PEAK SWITCHING TIMES

Your installer will have set the Off-Peak switching times to make the best use of the Tariffs available. These switching times should need no further adjustment.

RESETTING THE UNIT

Sometimes electronic equipment can become scrambled or frozen. To overcome this you should reset the unit by pressing the BOOST, SUMMER/WINTER, HRS and MINS buttons simultaneously. The unit will now revert to pre-set factory default Off-Peak times and the current time will display 12:00pm



DEFAULT TIME SETTINGS

1st ON	1st OFF	2nd ON	2nd OFF	3rd ON	3rd OFF
2:15 AM	7:15 AM	12:00 PM	12:00 PM	12:00 PM	12:00 PM

After a RESET the Off-Peak heating times will revert back to the default factory settings, these are shown above, however if you wish to change these proceed as instructed in the SETTING THE OFF-PEAK HEATING PERIODS opposite.

WATER HEATER SWITCH

In the WATER HEATER OFF position the indicator lights, display and clock will operate, and maintain the programme, even though the supply to the heater is disconnected. In the TIMED position the over-night immersion heater will be switched ON and OFF at the programmed switch-time settings, at other times the boost facility is available.

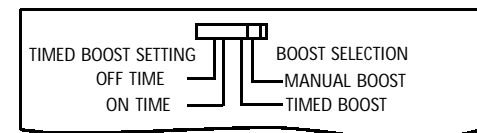
BOOST SELECTION

The Electronic 7 has both a Manual and Timed Boost facility.

THE BOOST WILL NOT OPERATE OR WILL BE CANCELLED DURING OFF-PEAK HEATING PERIODS.

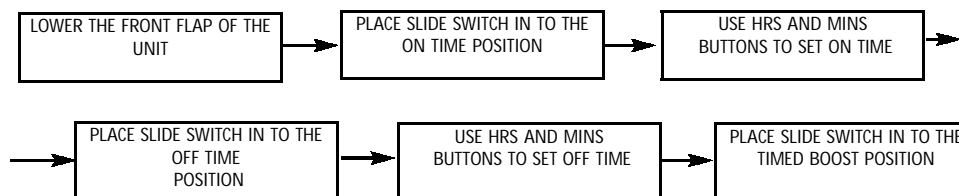
MANUAL BOOST

Set the Boost selector switch to MANUAL Boost position. When the Boost button is pressed the Boost immersion Heater is switched ON under the control of its thermostats, for a period of one hour. To cancel, press the Boost again and release.



TIMED BOOST

This setting is not recommended for single element installations and is normally only used with twin or dual immersion heaters. In the TIMED Boost position the Boost immersion heater will be switched ON and OFF automatically at the same time each day.



When the TIMED Boost is no longer required the boost selection switch should be moved to the MANUAL Boost position.

